



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Kinya Matsuzawa

Group Art Unit: 2834

Serial No.: 10/002,033

Examiner: B. Mullins

Filed: November 15, 2001

Title: Power Generator, Electronic Device Using the Same, Method of Setting Plate Thickness in a Magnetic Circuit in Electronically Controlled Timepiece and Power Generator

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231 on this date.

Date: January 17, 2003

Ann F. George

AMENDMENT A

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated November 20, 2002 (Paper No. 8), please amend the above-identified application as follows:

IN THE CLAIMS

Please replace pending Claims 16 and 17 with the following clean amended claims having the same number. A marked-up version of these amended claims follows the "Remarks" section of this Amendment.

16. (Amended) A method of setting plate thickness in a magnetic circuit in a power generator, the power generator including a rotor having a permanent magnet, a stator and a magnetic core made of a soft magnetic material constituting the magnetic circuit and a coil wound around the magnetic core,

wherein the plate thickness d of at least one of the stator and the magnetic core is set at a value represented by the following formula of

$$d = \sqrt{\frac{k_h}{k_e} \rho} \cdot f^{-0.375} B_m^{-0.175} \quad (1)$$